Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/14/2018 10:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125357	0	1.91	125373	1.94
Blue	F	SSC	125000	124174	-1	2.60	124860	2.59
Blue	E	FITC	15760	15431	-3	3.29	332	23.15
Blue	D	PE	25880	25211	-3	2.43	549	17.44
Blue	B	PerCP-Cy5-5	34075	33930	-1	4.52	1040	23.41
Blue	A	PE-Cy7	22776	22774	-1	7.66	544	46.24
Red	C	APC	42488	41768	-2	2.68	1578	13.37
Red	A	APC-Cy7	24478	23740	-4	2.75	813	12.97
Violet	B	V450	6304	6062	-4	4.27	337	17.35
Violet	A	V500	26005	24607	-6	3.91	576	13.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20764	8.56	612	15	N/A	N/A	Pass
Blue	F	SSC	56339	2.08	580	25	N/A	N/A	Pass
Blue	E	FITC	58	74.13	565	9	0.0145	156	Pass
Blue	D	PE	113	60.40	558	9	0.1186	301	Pass
Blue	B	PerCP-Cy5-5	197	55.73	658	11	0.0068	42	Pass
Blue	A	PE-Cy7	105	116.63	711	14	0.0089	30	Pass
Red	C	APC	371	27.47	601	1	0.0193	64	Pass
Red	A	APC-Cy7	199	28.24	571	0	0.0046	729	Pass
Violet	B	V450	53	83.23	498	9	0.0328	2955	Pass
Violet	A	V500	86	46.73	514	8	0.0124	1055	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.51	-31.15	0.94
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	16.99	13.60 - 20.40	N/A	N/A	31.02	31.55	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12082

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments